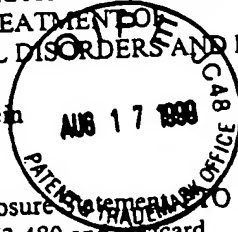


Please acknowledge receipt of the following by affixing hereon the Patent and Trademark Office date stamp and returning this card to our office.

Applicant: Mueller et al.  
Serial No.: 09/186,341  
For: COMPOUNDS ACTIVE AT A NOVEL SITE ON  
RECEPTOR-OPERATED CALCIUM CHANNELS  
USEFUL FOR TREATMENT OF  
NEUROLOGICAL DISORDERS AND DISEASES  
Filed: November 4, 1998  
Attorney(s): Sheryl R. Silverstein  
Docket No.: 238/105 US  
Date of Deposit: August 13, 1999  
Enclosure(s): Information Disclosure Statement, PTO Form 1449,  
copy of application Serial No. 08/763,480 and postcard

Please acknowledge receipt of the following by affixing hereon the Patent and Trademark Office date stamp and returning this card to our office.

Applicant: Mueller et al.  
Serial No.: 09/186,341  
For: COMPOUNDS ACTIVE AT A NOVEL SITE ON  
RECEPTOR-OPERATED CALCIUM CHANNELS  
USEFUL FOR TREATMENT OF  
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Filed: November 4, 1998  
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Enclosure(s): Information Disclosure Statement, PTO Form 1449,  
copy of application Serial No. 08/763,480 and postcard



NPS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Mueller et al.

Serial No.: 09/186,341

Filed: November 4, 1998

For: COMPOUNDS ACTIVE AT A  
NOVEL SITE ON RECEPTOR-  
OPERATED CALCIUM CHANNELS  
USEFUL FOR TREATMENT OF  
NEUROLOGICAL DISORDERS  
AND DISEASES

)  
) Group Art Unit: 1611

)  
) Examiner: Raymond, R.

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Enclosed is Form PTO-1449 listing a patent which has recently received a Notice of Allowance. A copy of the U.S. patent application is submitted herewith. USSN 08/763,480 is a parent application to the above-referenced application.

SD-125936.1

CERTIFICATE OF MAILING  
(37 C.F.R. §1.8a)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

8/13/99  
Date of Deposit

Diana Neuner

Name of Person Mailing Paper

*Diana Neuner*  
Signature of Person Mailing Paper

At this time, no fee is believed due in connection with this Information Disclosure Statement,  
however, please charge Deposit Account No. 12-2475 for any deficiencies.

Respectfully submitted,

LYON & LYON LLP

Dated: August 13, 1999

By: Sheryl R. Silverstein  
Sheryl R. Silverstein  
Reg. No. 40,812

633 West Fifth Street, Suite 4700  
Los Angeles, California 90071-2066  
Phone: (858) 552-8400  
Fax: (213) 955-0440



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Alan L. Mueller, et al.  
  
Title: COMPOUNDS ACTIVE AT A  
NOVEL SITE ON RECEPTOR-  
OPERATED CALCIUM  
CHANNELS USEFUL FOR  
TREATMENT OF  
NEUROLOGICAL DISORDERS  
AND DISEASES

Appl. No.: 09/825,373

Filing Date: 04/02/2001

Examiner: R. Raymond

Art Unit: 1624

<p><b>CERTIFICATE OF MAILING</b></p> <p>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450, on the date below.</p> <p><u>DIANE GARCIA</u> (Printed Name)</p> <p><u><i>Diane Garcia</i></u> (Signature)</p> <p><u>10-15-03</u> (Date of Deposit)</p>
---

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56. A copy of each listed document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of either a final action under 37 CFR §1.113, a notice of allowance under 37 CFR §1.113, or an action that otherwise closes prosecution in the application.

**RELEVANCE OF EACH DOCUMENT**

All of the documents are in English.

Applicants respectfully request that any listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

**FEE**

A fee in connection with submission of a supplemental information disclosure statement under 37 CFR §1.97(c) in the amount of \$180.00 in accordance with 37 CFR §1.17(p) is attached.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872.

Respectfully submitted,

Date Oct. 14, 2003

By Richard San Pietro

FOLEY & LARDNER

Customer Number: 33588

Telephone: (858) 847-6717

Facsimile: (858) 792-6773

Richard San Pietro

Attorney for Applicant

Registration No. 45,071

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	09/825,373
				Filing Date	04/02/2001
				First Named Inventor	ALAN L. MUELLER
				Group Art Unit	1624
				Examiner Name	R. Raymond
Sheet	1	of	1	Attorney Docket Number	072827-0336

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	A1	WO	95/21612		NPS Pharmaceuticals, Inc.	08-17-1995		
	A2	AU	723349		NPS Pharmaceuticals, Inc.	01-05-1998		

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>

Examiner Signature	Date Considered
-----------------------	--------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, PO Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, PO Box 1450, Alexandria, Virginia 22313-1450.



Please acknowledge receipt of the following by affixing hereon the Patent and Trademark Office date stamp and returning this card to our office.

Applicant: Alan Li Mueller et al.  
Serial No.: 09/186,341  
For: **COMPOUNDS ACTIVE AT A NOVEL SITE ON RECEPTOR-  
OPERATED CALCIUM CHANNELS USEFUL FOR  
TREATMENT OF NEUROLOGICAL DISORDERS AND  
DISEASES**  
Filed: November 4, 1998

Attorney(s): S. Silverstein  
Docket No.: 238/105  
Date of Deposit: 2/5/99

Enclosure(s): INFORMATION DISCLOSURE STATEMENT, FORM 1449 AND  
REPLY POSTCARD

SRS:kmc

NPS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Alan L. Mueller et al.

Serial No.: 09/186,341

Filed: November 4, 1998

For: COMPOUNDS ACTIVE AT A NOVEL SITE  
ON RECEPTOR-OPERATED CALCIUM  
CHANNELS USEFUL FOR TREATMENT  
OF NEUROLOGICAL DISORDERS AND  
DISEASES

)  
) Group Art Unit: 1621

)  
) Examiner: To be assigned

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In compliance with the Applicants' duty under 37 CFR 1.97-98, the following information is brought to the attention of the Examiner. Copies of items listed on the attached Form PTO-1449 were cited and/or provided in parent application number 08/873,011 filed June 11, 1997.

The items identified in this Information Disclosure Statement may or may not be "material" pursuant to 37 CFR 1.56 and the submission thereof by Applicants shall not be construed as an admission that any such patent, publication or other information referred to therein is material or

SD-103078.1

CERTIFICATE OF MAILING  
(37 C.F.R. §1.8a)

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February 5, 1999

Date of Deposit

Karen M. Cruz

Name of Person Mailing Paper

  
Signature of Person Mailing Paper

considered to be material (37 CFR 1.97(h)), or even qualifies as "prior art" under 35 U.S.C. § 102 with respect to this invention unless specifically designated by Applicants as such.

The filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information, as defined in 37 CFR 1.56, exists.

This Information Disclosure Statement is believed to be timely in that it is being submitted under 37 CFR 1.97(b) (3) before the mailing of a first Office Action on the merits, whereby no petition or fee is required. However, if counsel for Applicant is in error in this regard, the Commissioner is requested to consider this a petition and he is authorized to charge any required petition fee to counsel's Deposit Account No. 12-2475.

Respectfully submitted,

LYON & LYON LLP

Dated: February 4, 1999

By: Sheryl R. Silverstein  
Sheryl R. Silverstein  
Reg. No. 40,812

633 West Fifth Street, Suite 4700  
Los Angeles, California 90071-2066  
(213) 489-1600

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	<b>A.P.P. DOCKET NO.</b> 238/105	<b>SERIAL NO.</b> 09/186,341
	<b>APPLICANT:</b> Alan L. Mueller et al.	
	<b>FILING DATE:</b> November 4, 1998	<b>GROUP:</b> 1621

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	AA	3,258,488	6/28/66	Judd et al.	260	570.8	8/12/63
	AB	3,372,193	3/5/68	Moffet et al.	564	375	
	AC	4,018,895	4/19/77	Molloy et al.	514	649	
	AD	4,070,373	1/1978	Winter et al.	549	354	
	AE	4,313,896	2/2/82	Molloy et al.	562	597	
	AF	5,037,846	8/6/91	Saccomano et al.	514	419	
	AG	5,145,870	9/8/92	Jakobsen et al.	514	524	
	AH	5,185,369	2/9/93	Saccomano et al.	514	502	
	AI	5,310,756	5/10/94	Jakobsen et al.	514	524	
	AJ	5,574,173	11/1996	Ting et al.	549	353	

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	AK	1 051 281	25.02.59	DE				
	AL	33 285	05.12.64	DE (Klosa et al.)				
	AM	1 169 944	11.07.67	GB (Jones)				
	AN	1 129 029	02.10.68	GB (Boehringer)				
	AO	1 129 210	02.10.68	GB (Boehringer)				
	AP	1,134,715	27.11.68	GB (Maisey)				
	AQ	1,135,926	11.12.68	GB (Maisey)				
	AR	1 793 735	25.07.73	DE (Winter et al.)				
	AS	17 93 735	26.07.73	DE (Boehringer Mannheim)				
	AT	300,541	25.08.74	Netherlands				
	AU	23 35 943	30.01.75	DE (Boehringer Mannheim)				
	AV	2 277 589	06.02.76	FR (Boehringer)				
	AW	0 005 658	25.04.79	EP (Leconte et al.)				
	AX	0 208 523	14.01.87	EP (Usherwood et al.)				
	AY	0 399 504	23.05.90	EP (Jakobsen et al.)				
	AZ	0 436 332	10.07.91	EP (Saccomano et al.)				
	BA	92/14709	03.09.92	WO/PCT (Goldin et al.)				

EXAMINER:

DATE CONSIDERED:

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FORM PTO-1449  LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	A. Y. DOCKET NO. 238/105	SERIAL NO. 09/186,341
	APPLICANT: Alan L. Mueller et al.	
	FILING DATE: November 4, 1998	GROUP: 1621

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	BB	93/04036	04.03.93	WO/PCT (Saccomano et al.)				
	BC	93/04041	04.03.93	WO/PCT (Saccomano et al.)				
	BD	93/04373	04.03.93	WO/PCT (Nemeth et al.)				
	BE	4 239 816	01.06.94	DE (Keller et al.)				
	BF	95/15959	15.06.95	WO/PCT (Schering Corp.)				
	BG	95/21612	17.08.95	WO/PCT (NPS)				
	BH	96/05818	29.02.96	WO/PCT (Fuller et al.)				
	BI	96/40097	19.12.96	WO/PCT (Mueller et al.)				
	BJ	97/46511	11.12.97	WO/PCT (Vanwagenen)				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
BK	Akaike et al., "Spider Toxin Blocks Excitatory Amino Acid Responses in Isolated Hippocampal Pyramidal Neurons," <u>Neuroscience Letters</u> 79:326-330 (1987)	
BL	Anis et al., "Structure-Activity Relationships of Philanthotoxin Analogs and Polyamines on N-Methyl-D-Aspartate and Nicotinic Acetylcholine Receptors," <u>Journal of Pharmacology and Experimental Therapeutics</u> 254:764-773 (1990)	
BM	Artman et al., "Preferential Inhibitory Effects of Arylamine Spider Toxins on NMDA Receptor-Mediated Increases in Cytosolic Calcium," <u>Society for Neuroscience Abstracts</u> 17(Part 1):394 at abstract no. 163.19 (1991)	
BN	Ashe et al., "Argiotoxin-636 Blocks Excitatory Synaptic Transmission in Rat Hippocampal CA1 Pyramidal Neurons," <u>Brain Research</u> 480:234-240 (1989)	
BO	Banciu et al., "Carbonium ion reactions. XII. Acetolysis of 5-(2-bromoethyl)-5H-dibenzol [a,d] cycloheptene and nitrous acid deamination of 5-(2-aminoethyl)-5H-dibenzo [a,d] cycloheptene," <u>Revue Roumaine de Chimie</u> 20(1):121-127 (1975)	
BP	Banciu et al., Chemical Abstracts, Vol. 83 Abstract 146868 (1975)	
BQ	Beckett and Casy, "Configurational Studies in Synthetic Analgesics," <u>Journal of the Chemical Society</u> pp.900-904 (February 1955)	
BR	Blagbrough and Usherwood, "Polyamine amide toxins as pharmacological tools and pharmaceutical agents," <u>Proceedings of the Royal Society of Edinburgh</u> 99B(1-2):67-81 (1992)	
BS	Blagbrough et al., "Arthropod Toxins as Leads for Novel Insecticides: An Assessment of Polyamine Amides as Glutamate Antagonists," <u>Toxicon</u> 30:303-322 (1992)	
BT	Blake et al., "2-Methyl-3,3-Diphenyl-3-Propanolamine (2-MDP) Selectively Antagonises N-Methyl-Aspartate (NMA)," <u>Pharmacology Biochemistry &amp; Behavior</u> 24:23-25 (1986)	
BU	Blaschke et al., "A Single Amino Acid Determines the Subunit-Specific Spider Toxin Block of Amino-3-Hydroxy-5-Methylisoxazole-4-Propionate/Kainate Receptor Channels," <u>Proc. Natl. Acad. Sci. USA</u> 90:6528-6532 (1993)	
BV	Boehringer et al., Chemical Abstracts, Vol. 70 Abstract 37664 (1969)	
BW	Boehringer Mannheim, Chemical Abstracts, Vol. 86 Abstract 16562 (1977)	

EXAMINER:	DATE CONSIDERED:
EXAMINER: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.	

FORM PTO-1449  LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	A. IY. DOCKET NO. 238/105	SERIAL NO. 09/186,341
	APPLICANT: Alan L. Mueller et al.	
	FILING DATE: November 4, 1998	GROUP: 1621

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
BX	Brackley et al., "Selective Antagonism of Native and Cloned Kainate and NMDA Receptors by Polyamine-Containing Toxins," <u>Journal of Pharmacology and Experimental Therapeutics</u> 266:1573-1580 (1993)	
BY	Bruce et al., "Structure-Activity Relationships of Analogues of The WASP Toxin Philanthotoxin: Non-Competitive Antagonists of Quisqualate Receptors," <u>Toxicon</u> 28(11):1333-1346 (1990)	
BZ	Burtsev and Savkov, "Calcium Antagonists (Finoptin and Senzit) in the Treatment of Cerebrovascular Disorders," <u>Klinicheskaja Meditsina</u> 67(9):51-54 (1989) (abstract from MEDLINE)	
CA	Buschauer et al., "Synthesis and histamine H <sub>2</sub> agonistic activity of arpromidine analogues: replacement of the pheniramine-like moiety by non-heterocyclic groups," <u>Eur. J. Med. Chem.</u> 27:321-330 (1992)	
CB	Camps et al., "A New and Efficient One-Pot Preparation of Alkyl Halides From Alcohols," <u>Synthesis Communications</u> pp. 511-512 (May 1987)	
CC	<u>Chemical Abstracts</u> 5:423 (1959)	
CD	<u>Chemical Abstracts</u> 54:24555-24556 (1960)	
CE	<u>Chemical Abstracts</u> 54:424a (1960)	
CF	<u>Chemical Abstracts</u> 66:4375 (1967)	
CG	<u>Chemical Abstracts</u> 67:3059 (1967)	
CH	<u>Chemical Abstracts</u> 69:3322 (1968)	
CI	Chemical Abstracts Service, Registry Handbook, Reg. No. 114272-62-7 through 116231-28-8, 1988 Supplement.	
CJ	Cheng and Prusoff, "Relationship Between the Inhibition Constant (K <sub>i</sub> ) and the Concentration of Inhibitor Which Causes 50 Per Cent Inhibition (I <sub>50</sub> ) of an Enzymatic Reaction," <u>Biochemical Pharmacology</u> 22:3099-3108 (1973)	
CK	Choi et al., "Glutamate Neurotoxicity in Cortical Cell Culture," <u>J. Neuroscience</u> 7:357-368 (1987)	
CL	Choi et al., "Synthesis and Assay of Hybrid Analogs of Argiotoxin-636 and Philanthotoxin-433: Glutamate Receptor Antagonists," <u>Tetrahedron</u> 49:5777-5790 (1993)	
CM	Choi, "Glutamate Neurotoxicity and Diseases of the Nervous System," <u>Neuron</u> 1:623-634 (1988)	
CN	Collingridge and Davis, "Ch. 9 - NMDA receptors and long-term potentiation in the hippocampus," in <u>The NMDA Receptor</u> , edited by Watkins and Collingridge, IRL Press, p. 123-135 (1989)	
CO	Cramer et al., "Kainic Acid and 4-Aminopyridine Seizure Models in Mice: Evaluation of Efficacy of Anti-Epileptic Agents and Calcium Antagonists," <u>Life Sciences</u> 54:PL271-PL275 (1994)	
CP	Davies et al., "Polyamine Spider Toxins Are Potent Un-competitive Antagonists of Rat Cortex Excitatory Amino Acid Receptors," <u>European Journal of Pharmacology - Molecular Pharmacology Section</u> 227:51-56 (1992)	
CQ	Deneris et al., "Pharmacological and Functional Diversity of Neuronal Nicotinic Acetylcholine Receptors," <u>TIPS</u> 12:34-40 (1991)	
CR	Dickenson, "A Cure for Wind-Up: NMDA Receptor Antagonists as Potential Analgesics," <u>TIPS</u> 11:307-309 (1990)	
CS	Dingledine et al., "Excitatory Amino Acid Receptors in Epilepsy," <u>TIPS</u> 11:334-338 (1990)	
CT	Donevan and Rogawski, "GYKI 52466, a 2,3-Benzodiazepine, is a Highly Selective, Noncompetitive Antagonist of AMPA/Kainate Receptor Responses," <u>Neuron</u> 10:51-59 (1993)	

EXAMINER:	DATE CONSIDERED:
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	APPLICANT: Alan L. Mueller et al.	
	FILING DATE: November 4, 1998	GROUP: 1621

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	CU	Donevan et al., "Arcaine Blocks N-Methyl-D-Aspartate Receptor Responses by an Open Channel Mechanism: Whole-Cell and Single-Channel Recording Studies in Cultured Hippocampal Neurons," <u>Molecular Pharmacology</u> 41:727-735 (1992)
	CV	Draguhn et al., "Argiotoxin <sub>636</sub> inhibits NMDA-activated ion channels expressed in <i>Xenopus</i> oocytes," <u>Neuroscience Letters</u> 132:187-190 (1991)
	CW	Fingl and Woodbury, "Chapter 1 - General Principles," in <u>The Pharmacological Basis of Therapeutics</u> 5th edition, Goodman and Gilman editors, MacMillan Publishing Co., Inc., New York, pp. 1-46 (1975)
	CX	Fisher and Bogousslavsky, "Evolving Toward Effective Therapy for Acute Ischemic Stroke," <u>JAMA</u> 270:360-364 (1993)
	CY	Foye et al., <u>Principals of Medicinal Chemistry</u> , 4th edition, Lea & Febiger/Williams and Wilkins, Philadelphia, PA, pp. 233, 265, 281-282, 340-341, 418-427 and 430 (1995)
	CZ	Ginsberg and Busto, "Rodent Models of Cerebral Ischemia," <u>Stroke</u> 20:1627-1642 (1989)
	DA	Gisvold and Steen, "Drug Therapy in Brain Ischaemia," <u>Br. J. Anaesth.</u> 57:96-109 (1985)
	DB	Grishin et al., "Isolation and Structure Analysis of Components from Venom of the Spider <i>Argiope Lobata</i> ," <u>Toxicon</u> 27:451-549 (1989)
	DC	Gullak et al., "CNS Binding Sites of the Novel NMDA Antagonist Arg-636," <u>Soc. Neurosci. Abst.</u> 15:1168 at abstract no. 463.23 (1989)
	DD	Hayes et al., "Anticonvulsant Properties of Phencyclidine-Like Drugs in Mice," <u>European Journal of Pharmacology</u> 117:121-125 (1985)
	DE	Helke and Raines, "Antitensor Effects of 3,3-Diphenyl-n-Propylamine in the Mouse," <u>European Journal of Pharmacology</u> 48:231-235 (1978)
	DF	Herlitze et al., "Argiotoxin Detects Molecular Differences in AMPA Receptor Channels," <u>Neuron</u> 10:1131-1140 (1993)
	DG	Herold and Yaksh, "Anesthesia and Muscle Relaxation with Intrathecal Injections of AR636 and AG489, Two Acylpolyamine Spider Toxins, in Rat," <u>Anesthesiology</u> 77:507-512 (1992)
	DH	Hill, "A New Mathematical Treatment of Changes of Ionic Concentration in Muscle and Nerve Under the Action of Electric Currents, with a Theory as to Their Mode of Excitation," <u>Journal of Physiology</u> 40:190-224 (1910)
	DI	Honoré et al., "Quinoxalinediones: Potent Competitive Non-NMDA Glutamate Receptor Antagonists," <u>Science</u> 241:701-703 (1988)
	DJ	Hughes, "Merz' Novel Approach to the Treatment of Dementia," <u>Script No.</u> 1666:24-25 (1991)
	DK	Jackson and Parks, "Spider Toxins: Recent Applications In Neurobiology," <u>Ann. Rev. Neurosci.</u> 12:405-414 (1989)
	DL	Jackson and Usherwood, "Spider Toxins as Tools for Dissecting Elements of Excitatory Amino Acid Transmission," <u>TINS</u> 11:278-283 (1988)
	DM	Janssen et al., <u>Synthetic Analgesics: Part I - Diphenylpropylamines</u> , Pergamon Press, pp. 1-109 (1960)
	DN	Jasys et al., "Isolation, Structure Elucidation, and Synthesis of Novel Hydroxylamine-Containing Polyamines From the Venom of the <i>Agelenopsis Aperta</i> Spider," <u>J. Amer. Chem. Soc.</u> 112:6696-6704 (1990)
	DO	Jasys et al., "The Total Synthesis of Argiotoxins 636, 659 and 673," <u>Tetrahedron Letters</u> 29:6223-6226 (1988)
	DP	Jones and Lodge, "Comparison of Some Arthropod Toxins and Toxin Fragments as Antagonists of Excitatory Amino Acid-Induced Excitation of Rat Spinal Neurones," <u>European Journal of Pharmacology</u> 204:203-209 (1991)

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FORM PTO-1449  LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	A. I. Y. DOCKET NO. 238/105	SERIAL NO. 09/186,341
	APPLICANT: Alan L. Mueller et al.	
	FILING DATE: November 4, 1998	GROUP: 1621

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	DQ	Jones et al., "Phlathotoxin Blocks Quisqualate-, AMPA- and Kainate-, but not NMDA-, Induced Excitation of Rat Brainstem Neurones <i>in vivo</i> ," <u>Br. J. Pharmacol.</u> 101:968-970 (1990)
	DR	Jones et al., "Substituted 1,1-Diphenyl-3-aminoprop-1-enes and 1,1-Diphenyl-3-aminopropanes as Potential Antidepressant Agents," <u>J. Med. Chem.</u> 14(2):161-164 (1971)
	DS	Kalman et al., "Difenil-propil-amin-szarmazekok," <u>Magyar Kemiai Folyirat</u> 78:46-49 (1972)
	DT	Kanai et al., "An Analogue of Joro Spider Toxin Selectively Suppresses Hippocampal Epileptic Discharges Induced by Quisqualate," <u>Brain Research</u> 581:161-164 (1992)
	DU	Karpiak et al., "Animal Models for the Study of Drugs in Ischemic Stroke," <u>Annu. Rev. Pharmacol. Toxicol.</u> 29:403-414 (1989)
	DV	Kawai et al., "Effect of a Spider Toxin on Glutaminergic Synapses in the Mammalian Brain," <u>Biomedical Research</u> 3:353-355 (1982)
	DW	Kawai et al., "Spider Toxin and the Glutamate Receptors," <u>Comp. Biochem. Physiol.</u> 98C:87-95 (1991)
	DX	Kawai, "Neuroactive Toxins of Spider Venoms," <u>J. Toxicol. - Toxin Reviews</u> 10:131-167 (1991)
	DY	Keasling and Moffett, "Central Nervous System Agents. 3. Structure-Activity -- Relationship of a Series of Diphenylaminopropanols," <u>Journal of Medicinal Chemistry</u> 14(11):1106-1111 (1971)
	DZ	Kiskin et al., "A Highly Potent and Selective N-Methyl-D-Aspartate Receptor Antagonist From the Venom of the <i>Agelenopsis Aperta</i> Spider," <u>Neuroscience</u> 51:11-18 (1992)
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	EB	Kovacs and Hesse, "Synthetic Analogues of Naturally Occurring Spider Toxins," <u>Helvetica Chimica Acta</u> 75:1909-1924 (1992)
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	ED	Leszkovszky et al., "The Pharmacology of Diphenylalkyl Derivatives," <u>Acta Physiologica Academiae Scientiarum Hungaricae Tomus</u> 29(3-4):283-298 (1966)
	EE	Marcusson et al., "Inhibition of [ <sup>3</sup> H]paroxetine binding by various serotonin uptake inhibitors: structure-activity relationships," <u>Europ. J. Pharmacol.</u> 215:191-198 (1992)
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	EI	Melloni et al., "Potential antidepressant agents. Aryloxy-benzyl derivatives of ethanolamine and morpholine," <u>Eur. J. Med. Chem. - Chim. Ther.</u> 19:235-242 (1984)
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	EK	Mikio et al., "Synthesis of Analgesics," <u>Chemical Abstracts</u> volume 83, no. 7, August 18, 1975 at abstract no. XP002016632

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	APPLICANT: Alan L. Mueller et al.	
	FILING DATE: November 4, 1998	GROUP: 1621

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
EL	Moffett et al., "Central Nervous System Agents. 1. Synthesis of Diphenyl- <i>tert</i> -aminopropanols," <u>J. Med. Chem.</u> 14(11):1088-1100 (1971)	
EM	Mueller et al., "Arylamine Spider Toxins Antagonize NMDA Receptor-Mediated Synaptic Transmission in Rat Hippocampal Slices," <u>Synapse</u> 9:244-250 (1991)	
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EO	Nakanishi et al., "Bioorganic Studies of Transmitter Receptors with Philanthotoxin Analogs," <u>Pure &amp; Applied Chemistry</u> vol. 66, #3 (March 1994)	
EP	Nakanishi, "Molecular Diversity of Glutamate Receptors and Implications for Brain Function," <u>Science</u> 258:597-603 (1992)	
EQ	Nason et al., "Synthesis of Neurotoxic Nephila Spider Venoms: NSTX-3 and JSTX-3," <u>Tetrahedron Letters</u> 30:2337-2340 (1989)	
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EU	Parks et al., "Arylamine Toxins From Funnel-Web Spider ( <i>Agelenopsis aperta</i> ) Venom Antagonize <i>N</i> -Methyl-D-aspartate Receptor Function in Mammalian Brain," <u>J. Biol. Chem.</u> 266:21523-21529 (1991)	
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FORM PTO-1445  LIST OF PATENTS AND OTHER ITEMS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)	U.S. DOCKET NO. 238/105	SERIAL NO. 09/186.341
	APPLICANT: Alan L. Mueller et al.	
	FILING DATE: November 4, 1998	GROUP: 1621

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
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FF	Reynolds, "Arcaine is a Competitive Antagonist of the Polyamine Site on the NMDA Receptor," <u>European Journal of Pharmacology</u> 177:215-216 (1990)	
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FH	Reynolds, <u>Martindale: The Extra Pharmacopoeia</u> , The Pharmaceutical Press, London, pp. 543-544 (1989)	
FI	Rock and MacDonald, "Spermine and Related Polyamines Produce a Voltage-Dependent Reduction of N-Methyl-D-Aspartate Receptor Single-Channel Conductance," <u>Molecular Pharmacology</u> 42:157-164 (1992)	
FJ	Rogawski, "Therapeutic Potential of Excitatory Amino Acid Antagonists: Channel Blockers and 2,3-benzodiazepines," <u>Trends in Pharmacol. Sci.</u> 14:325-331 (1993)	
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FL	Sacaan and Johnson, "Characterization of the Stimulatory and Inhibitory Effects of Polyamines on [ <sup>3</sup> H]N-(1-[thienyl]cyclohexyl) piperidine Binding to the N-Methyl-D-Aspartate Receptor Ionophore Complex," <u>Molecular Pharmacology</u> 37:572-577 (1990)	
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FN	Saccomano et al., "Ch. 30 - Polyamine Spider Toxins: Unique Pharmacological Tools," in <u>Annual Reports in Medicinal Chemistry</u> 24:287-293 (1989)	
FO	Saito et al., "Effects of a Spider Toxin (JSTX) on Hippocampal CA1 Neurons in vitro," <u>Brain Research</u> 481:16-24 (1989)	
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FV	Snyder, "Neurotransmitter Receptor Binding and Drug Discovery," <u>J. Med. Chem.</u> 26:1667-1672 (1983)	
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	FX	Sutton et al., "Inhibition of voltage-activated Ca <sup>2+</sup> currents from cultured sensory neurones by spermine, argiotoxin-636 and a synthetic arginine polyamine," <u>Molecular Neuropharmacology</u> 3:37-43 (1993)
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	FZ	Teyler and DiScenna, "Long-Term Potentiation," <u>Annu. Rev. Neurosci.</u> 10:131-161 (1987)
	GA	Titeler, <u>Multiple Dopamine Receptors: Receptor Binding Studies in Dopamine Pharmacology, Volume 1</u> , Marcel Dekker, Inc., New York, pp. 1-173 (1983)
	GB	Tsvetkova et al., "Synthesis of aminoalkylxanthenes and aminothioxanthenes," <u>Khim. Farm. Zh.</u> 3(12):17-20 (1969)
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	GF	Watkins et al., <u>The NMDA Receptor</u> , Oxford, IRL Press (1989)
	GG	White et al., "Chemicopharmacological Studies on Antispasmodic Action. XII. Structure-Activity Relationship of Aralkylamines," <u>Chem. Pharm.</u> 6(2):147-154 (1958)
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	GJ	Willetts et al., "The Behavioral Pharmacology of NMDA Receptor Antagonists," <u>Trends Pharmacol. Sci.</u> 11:423-428 (1990)
	GK	Williams et al., "Characterization of Polyamines Having Agonist, Antagonist, and Inverse Agonist Effects at the Polyamine Recognition Site of the NMDA Receptor," <u>Neuron</u> 5:199-208 (1990)
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	GN	Williams, "Ifenprodil Discriminates Subtypes of the N-Methyl-D-Aspartate Receptor: Selectivity and Mechanisms at Recombinant Heteromeric Receptors," <u>Molecular Pharmacology</u> 44:851-859 (1993)
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